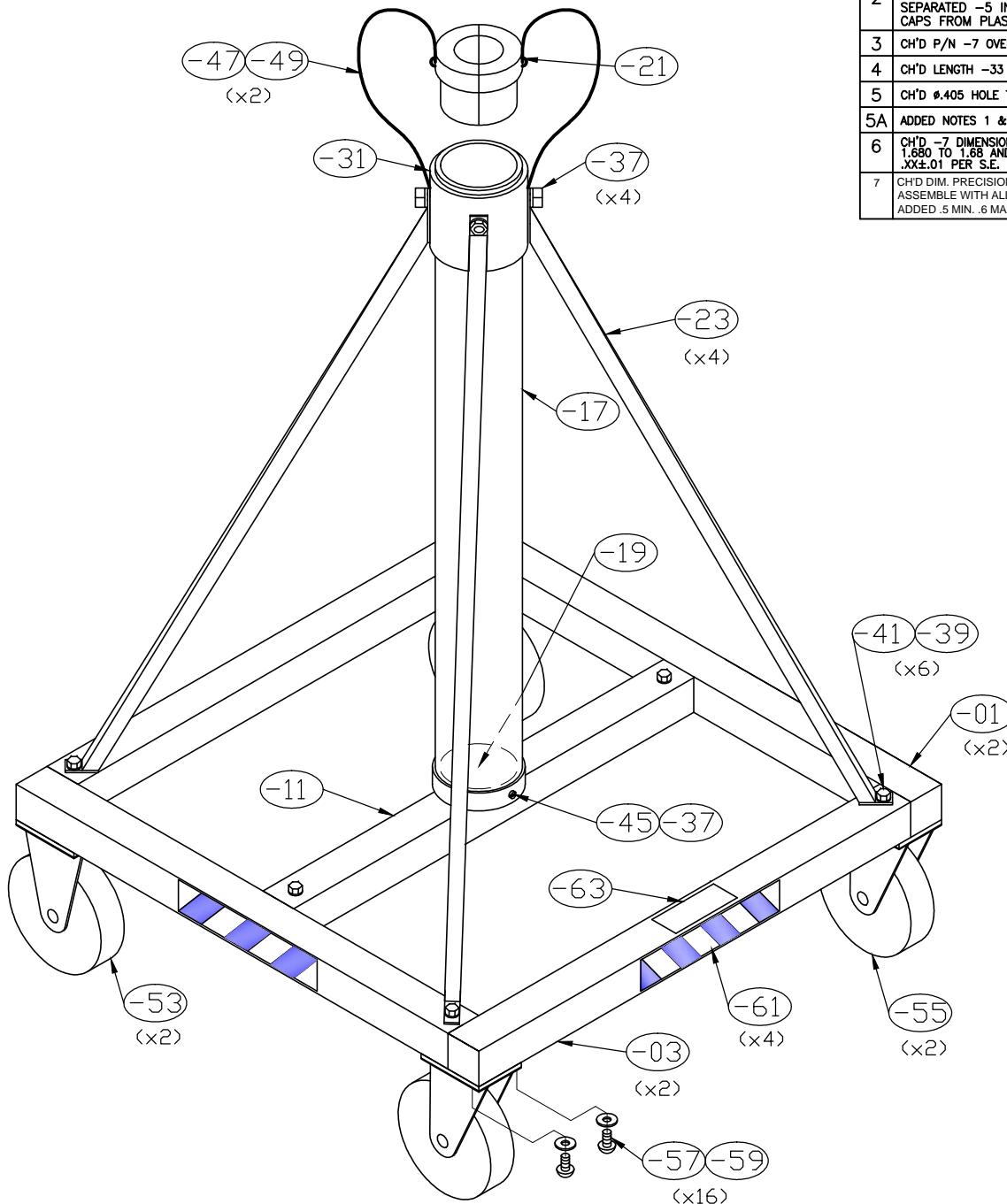


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REV	DESCRIPTION	REVISIONS		
		DATE	INITIAL	APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP	RW
2	ADDED WHEEL PADS, CASTORS & HARDWARE & CLEARANCE HOLES PER CUSTOMER REQUEST. SEPARATED -5 INTO -5a & -5b BECAUSE OF CLEARANCE HOLES. ALSO CHANGED TUBE END CAPS FROM PLASTIC OUTWATER #164-U-2-BLK TO WELDED METAL.	3/2/09	WP	RW
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.806 PER W.P.	10/27/09	WP	
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW
5	CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E. MOVED ALL PARTS TO SEPARATE PAGES.	3/3/11	RJC	GE
5A	ADDED NOTES 1 & 2, CH'D ALL HARDWARE TO S.S. & ADDED P/N'S PER R.W.	9/6/11	RJC	RW
6	CH'D -7 DIMENSION FROM 1.825+.000-.020 TO 1.825+.000-.025, CH'D 1.500 TO 1.50, CH'D .580 TO 1.50 AND ADDED NOTE 1 PER S.E. CH'D TOLERANCE ON ALL SHEETS FROM .XXX ±.005 & .XX ±.01 PER S.E.	6/4/12	RJC	SE
7	CH'D DIM. PRECISION FROM XXX TO .XX ON NON-CRITICAL PARTS. -1, -3 & -23 DELETED NOTE 1 WAS ASSEMBLE WITH ALL TUBE SEAMS ON THE BOTTOM. -5a & -5b DELETED NOTE WAS SEAM ON BOTTOM. -31 ADDED .5 MIN. .6 MAX DIM. -35 CHD FROM STEEL TO STAINLESS & ADDED DWG TO MODIFY AND NOTE.	8/12/13	RJC	DW

RB RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657	
REV 7	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS .XXX ± .010	
XX ± .03	
X ± .1	
FRACTIONS ± 1/32	
ANGLES ± 5°	
APPROVED PERRITT	
HEAT TREAT	
FINISH	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	NTS
DATE	10-3-08
SHEET	1 of 22

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ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/D	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/D INFORMATION OR SPECIFICATIONS	Pg.	
						-1	2	BASE SIDE WELDMENT			3	
						-3	2	BASE END WELDMENT			4	
						1	-5a	BASE SIDE TUBE	STEEL SQ. TUBE	2 x 2 x .083 wall x 28 	5	
						1	-5b	BASE TUBE	STEEL SQ. TUBE	2 x 2 x .083 wall x 28 	6	
						1 2	-7	CLIP	A709 GRADE 36 	14 ga. x 1-1/2 x 4-7/8	7	
						1 2	B/D	-9	WELDNUTS	STEEL	3/8-16 UNC	3&4
							-11	1	BASE CENTER TUBE WELDMENT			8
						1	-13	BASE CENTER TUBE	STEEL SQ. TUBE	2 x 2 x .083 wall x 26	9	
						1	-15	BASE CENTER TUBE RING	DOM TUBING	.04-1/2 x 1/8 wall x 1	10	
							-17	1	VERTICAL NYLON TUBE	NATURAL	.03-1/2 I.D. x 1/4 wall x 34-5/8 NYLATECH	11
							-19	1	TUBE BOTTOM PLUG	DELRIN	.03-1/2 x 1	12
							-21	1	SUPPORT INSERT	DELRIN	.04 x 3-1/8	13
							-23	4	BRACE WELDMENT	STEEL 		14
						1	-25	BRACE TUBE	1018 SQ. TUBE	3/4 x 3/4 x .083 wall x 33	15	
						1	-27	BOTTOM BRACE TAB	A709 GRD 36 	1/8 x 1 x 2-1/16	16	
						1	-29	UPPER BRACE TAB	A709 GRD 36 	1/8 x 1 x 3-1/16	17	
							-31	1	TUBE TOP RING WELDMENT			18
1							-33	1	TUBE TOP RING	DOM TUBING	.04-1/2 x 1/4 wall x 3-7/8	19
4					B/D	-35		SOCKET HEAD SET SCREW	S.S.	1/4-20 UNC x 1-1/4 MCMASTER-CARR #92313A546	20	
					B/D	-37	5	NYLOCK NUT	S.S.	1/4-20 UNC MCMASTER-CARR #91831A029	1	
					B/D	-39	6	HEX HEAD CAP SCREWS	S.S.	3/8-16 UNC x 1 MCMASTER-CARR #92240A624	1	
					B/D	-41	6	SPLIT RING LOCK WASHER	S.S.	.03/8 MCMASTER-CARR #92146A031	1	
					1 1	-43		BASE TUBE END CAP	A709 GRD 36 	16 ga. (.06) x 1.91 x 1.91	21	
					B/D	-45	1	HEX HEAD CAP SCREW	S.S.	1/4-20 UNC x 4-3/4 MCMASTER-CARR #91257A105	1	
					B/D	-47	2	BUTTON HEAD CAP SCREW	S.S.	#8-32 UNC x 1/2 MCMASTER-CARR #92949A194	1	
					B/D	-49	2	LANYARD	COATED S.S.	12 in MCMASTER-CARR #30345T11	1	
					1 1	-51		WHEEL PLATE	A709 GRD 36 	1/4 x 2-3/4 x 3-3/4	22	
					B/D	-53	2	3 in. RIGID CASTER W/BRAKE	POLYURTHANE	APPLIED INDUSTRIAL (MFG: MCT) #1F9303B25002100	1	
					B/D	-55	2	3 in. SWIVEL CASTER W/BRAKE	POLYURTHANE	APPLIED INDUSTRIAL (MFG: MCT) #2F9803B25002100	1	
					B/D	-57	16	BUTTON HEAD CAP SCREW	S.S.	5/16-18 UNC x 1/2 MCMASTER-CARR #92949A578	1	
					B/D	-59	16	INTERNAL LOCK WASHER	S.S.	.05/16 I.D. MCMASTER-CARR #91757A111	1	
					B/D	-61	4	REFLECTIVE TAPE		2 x 9 MCMASTER-CARR #5997T84	1	
					B/D	-63	1	RB PLACARD	RB41009		1	
ASSY QTY -31	ASSY QTY -23	ASSY QTY -11	ASSY QTY -3	ASSY QTY -1								

 THIS IS THE GENERIC PLATE SPEC. FOR WHAT IS COMMONLY REFERRED TO AS 1018.
 MATERIAL MAY VARY DEPENDING ON COMMERCIAL AVAILABILITY.

RB RED BARN MACHINE

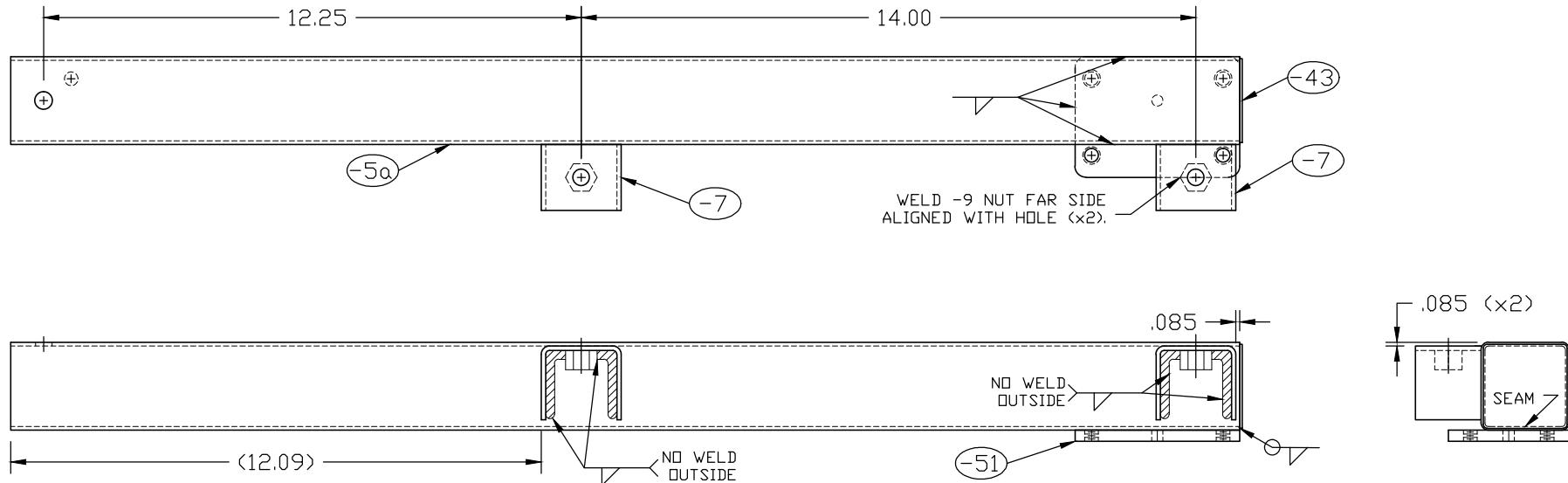
TITLE FIRE SCOUT ROTOR HEAD STAND

DWG NO. RBT18657 REV 7

UNLESS OTHERWISE SPECIFIED	DRAWN BY: PERRITT
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	APPROVED 
XXX ± .010	HEAT TREAT
XX ± .03	FINISH
X ± .1	SPEC
FRACTIONS ± 1/32	
ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED	
1. BREAK ALL SHARP EDGES	
.015 x 45° PR .015 R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	USED ON MODEL
	FIRE SCOUT
DATE 10-3-08	SHEET 2 of 22

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REV		DESCRIPTION		DATE	INITIAL	APPROVED
7		-1 DELETED NOTE 1 WAS ASSEMBLE WITH ALL TUBE SEAMS ON THE BOTTOM.		8/12/13	RJC	DW



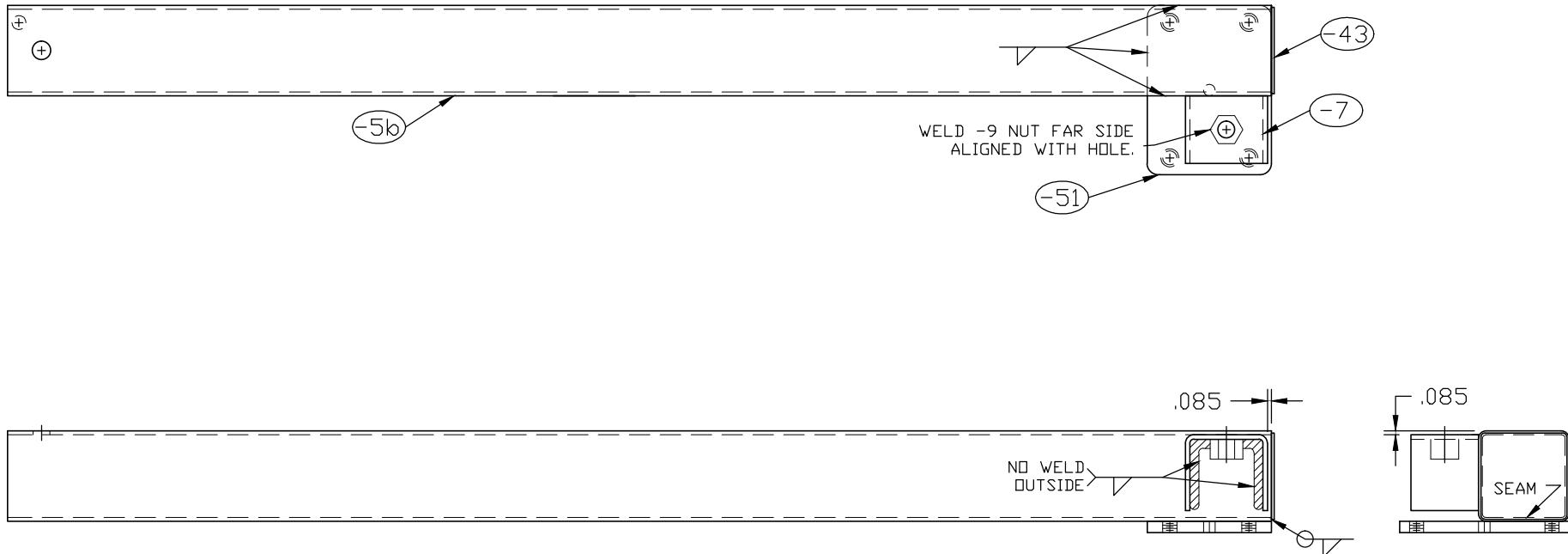
-1

BASE SIDE
WELDMENT

TITLE	
RED BARN MACHINE	
FIRE SCOUT ROTOR HEAD STAND	
DWG NO.	RBT18657-1
REV	7
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS $\pm .010$ FRACTIONS $\pm 1/32$	
XX $\pm .03$ ANGLES $\pm .5^\circ$	
X $\pm .1$	
HEAT TREAT	
FINISH POWDER COAT WHITE	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	NTS
DATE	10-3-08
SHEET	3 of 22

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REV			DESCRIPTION		DATE	INITIAL	APPROVED
2			ADDED WHEEL PADS, CASTORS & HARDWARE & CLEARANCE HOLES PER CUSTOMER REQUEST. SEPARATED -5 INTO -5a & -5b BECAUSE OF CLEARANCE HOLES. ALSO CHANGED TUBE END CAPS FROM PLASTIC OUTWATER #164-U-2-BLK TO WELDED METAL.		3/2/09	WP	RW
7			-3 DELETED NOTE 1 WAS ASSEMBLED WITH ALL TUBE SEAMS ON THE BOTTOM.		8/12/13	RJC	DW

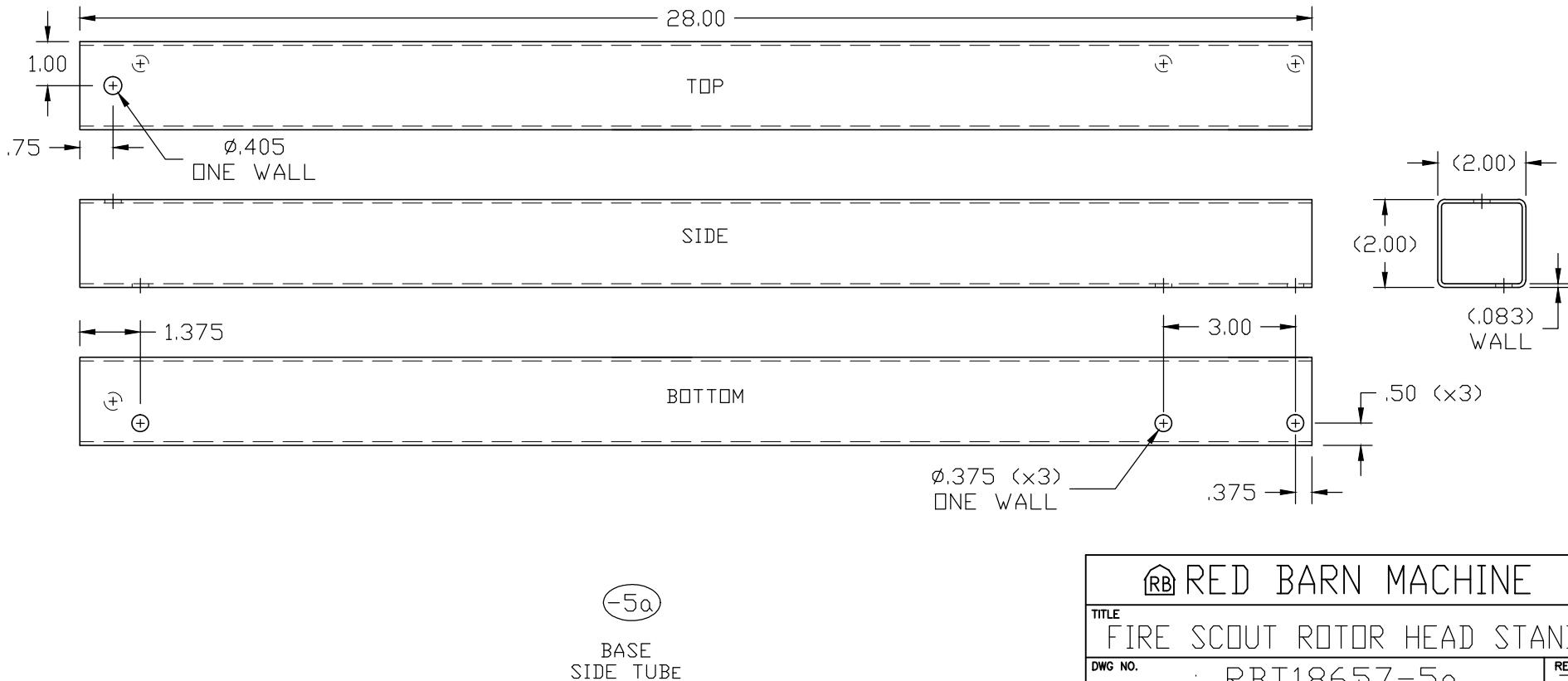


(-3)
BASE END
WELDMENT

RB RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-3	REV 7
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS $\pm 1/32$
XXX $\pm .010$	
XX $\pm .03$	ANGLES $\pm .5^\circ$
X $\pm .1$	
APPROVED D. Weil	
HEAT TREAT	
FINISH POWDER COAT WHITE	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE NTS	DATE 10-3-08
SHEET 4 of 22	

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REV			DESCRIPTION		DATE	INITIAL	APPROVED
2			ADDED WHEEL PADS, CASTORS & HARDWARE & CLEARANCE HOLES PER CUSTOMER REQUEST. SEPARATED -5 INTO -5a & -5b BECAUSE OF CLEARANCE HOLES. ALSO CHANGED TUBE END CAPS FROM PLASTIC OUTWATER #164-U-2-BLK TO WELDED METAL.		3/2/09	WP	RW
7			-5a DELETED NOTE WAS SEAM ON BOTTOM.		8/12/13	RJC	DW

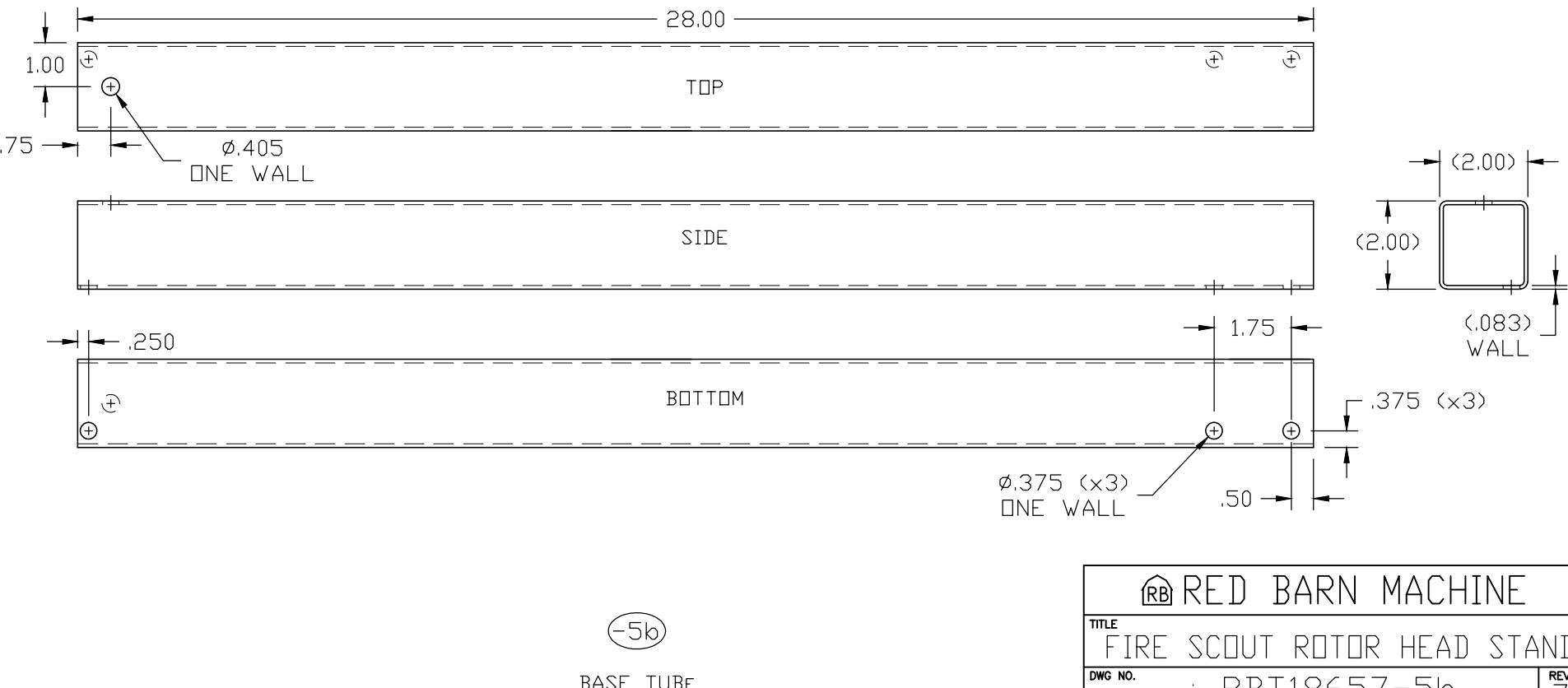


-5a
BASE
SIDE TUBE

RB RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-5a	
REV 7	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS XXX \pm .010 FRACTIONS \pm 1/32 XX \pm .03 ANGLES \pm 5° X \pm .1	
DRAWN BY: PERRITT APPROVED D. Weil HEAT TREAT FINISH SEE -1 WELDMENT SPEC	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 \times 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING USED ON MODEL FIRE SCOUT	
SCALE	NTS
DATE	10-3-08
SHEET	5 of 22

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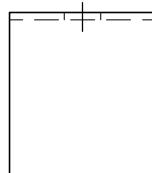
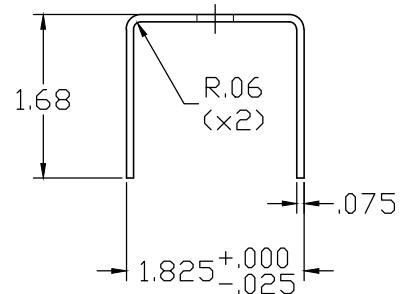
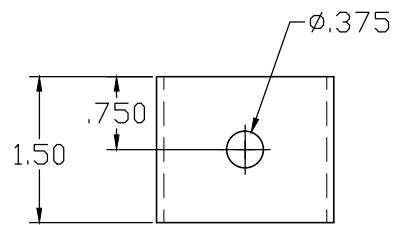
REV		DESCRIPTION	DATE	INITIAL	APPROVED
2		ADDED WHEEL PADS, CASTORS & HARDWARE & CLEARANCE HOLES PER CUSTOMER REQUEST. SEPARATED -5 INTO -5a & -5b BECAUSE OF CLEARANCE HOLES. ALSO CHANGED TUBE END CAPS FROM PLASTIC OUTWATER #164-U-2-BLK TO WELDED METAL.	3/2/09	WP	RW
7		-5b DELETED NOTE WAS SEAM ON BOTTOM.	8/12/13	RJC	DW



RB RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-5b	
REV 7	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS XXX ± .010 FRACTIONS ± 1/32	
XX ± .03 ANGLES ± 5°	
X ± .1	
HEAT TREAT	
FINISH SEE -3 WELDMENT	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	NTS
DATE	10-3-08
SHEET	6 of 22

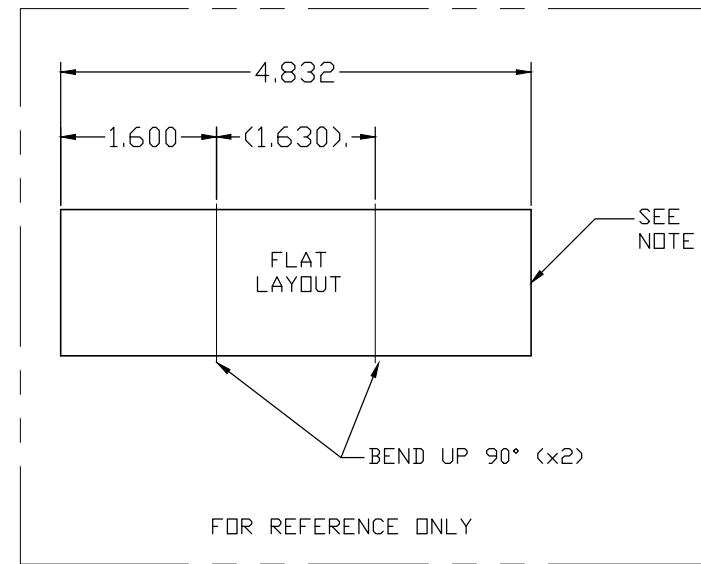
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REV		DESCRIPTION	DATE	INITIAL	APPROVED
2		ADDED WHEEL PADS, CASTORS & HARDWARE & CLEARANCE HOLES PER CUSTOMER REQUEST. SEPARATED -5 INTO -5a & -5b BECAUSE OF CLEARANCE HOLES. ALSO CHANGED TUBE END CAPS FROM PLASTIC OUTWATER #164-U-2-BLK TO WELDED METAL.	3/2/09	WP	RW
6		CH'D -7 DIMENSION FROM 1.825+.000-.020 TO 1.825+.000-.025, CH'D 1.500 TO 1.50, CH'D 1.680 TO 1.68 AND ADDED NOTE 1 PER S.E.	6/4/12	RJC	SE



(-7)

CLIP



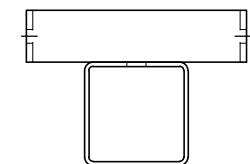
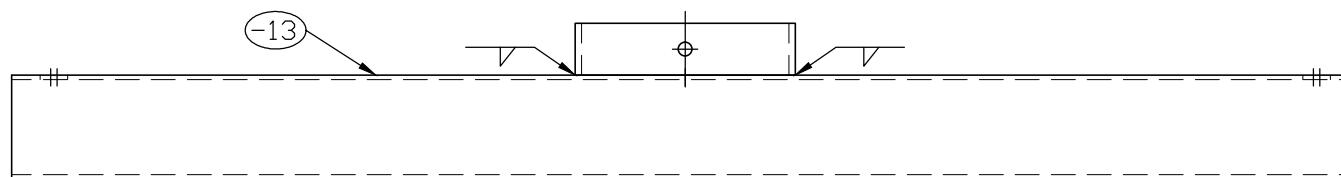
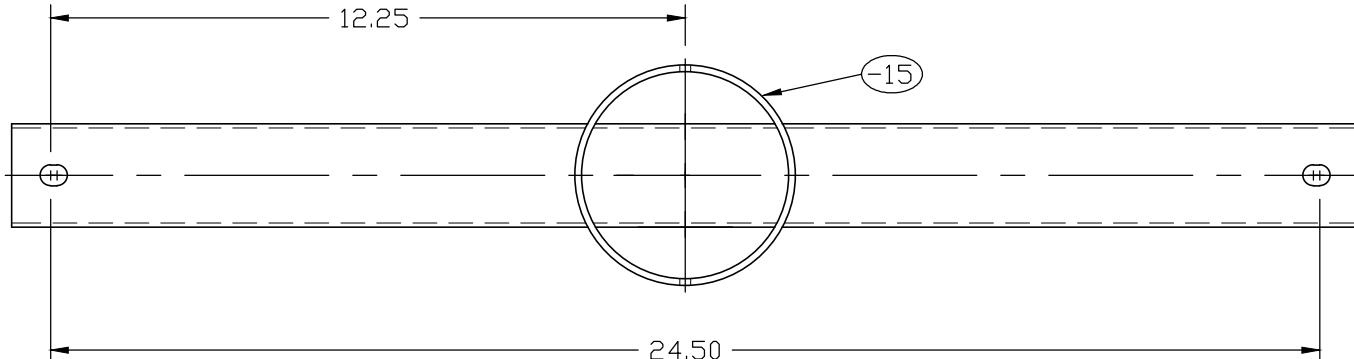
NOTES

1. FLAT LAYOUT IS FOR REFERENCE ONLY.

RED BARN MACHINE	
TITLE	
FIRE SCOUT ROTOR HEAD STAND	
DWG NO.	REV
RBT18657-7 7	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
XXX \pm .010	FRACTIONS \pm 1/32
XX \pm .03	ANGLES \pm 5°
X \pm .1	
APPROVED	
D. Weil	
HEAT TREAT	
FINISH SEE -1 & -3 WELDMENT	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	DATE 10-3-08
NTS	SHEET 7 of 22

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERRSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP RW
5	CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E.	3/3/11	RJC -



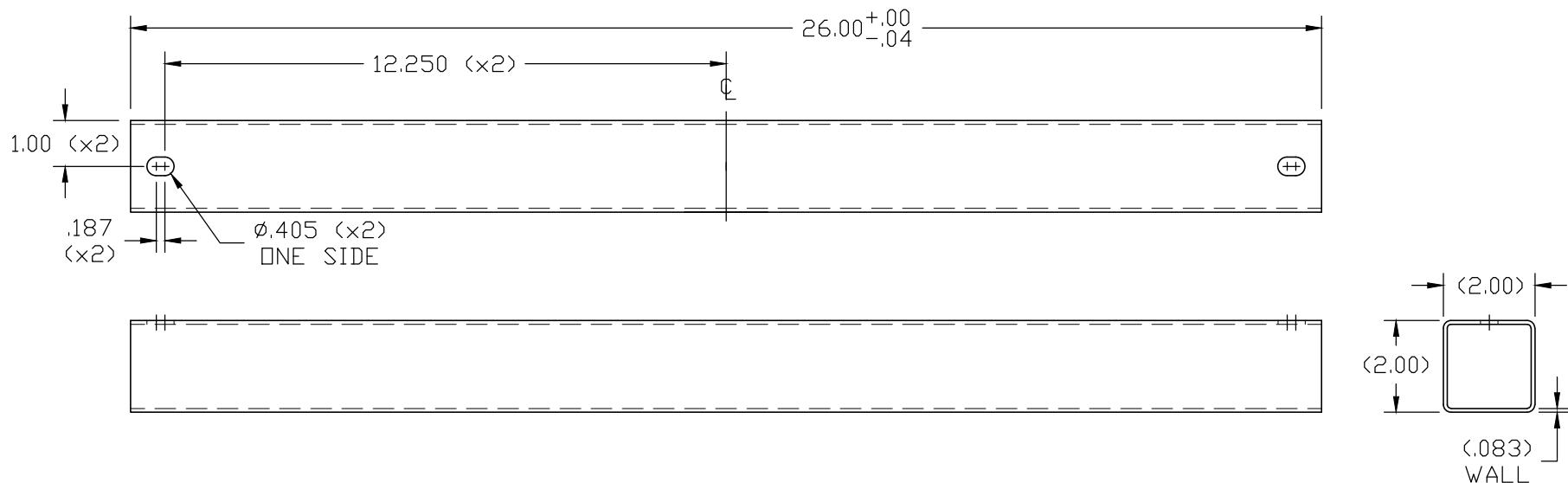
(-11)

BASE CENTER
TUBE WELDMENT

RED BARN MACHINE	
TITLE	
FIRE SCOUT ROTOR HEAD STAND	
DWG NO.	REV
RB18657-11	7
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS $\pm 1/32$
XXX $\pm .010$	
XX $\pm .03$	ANGLES $\pm .5^\circ$
X $\pm .1$	
APPROVED	
D. Weil	
HEAT TREAT	
FINISH POWDER COAT WHITE	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	DATE 10-3-08
NTS	SHEET 8 of 22

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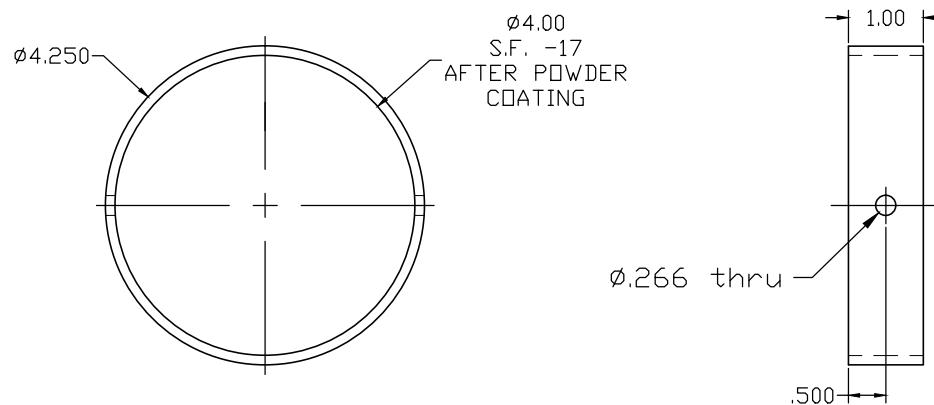
REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERRSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP RW
5	CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E. MOVED ALL PARTS TO SEPARATE PAGES.	3/3/11	RJC



RB RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO.	RBT18657-13
REV	7
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS XXX ± .010 FRACTIONS ± 1/32	
XX ± .03 ANGLES ± .5°	
X ± .1	
HEAT TREAT	
FINISH SEE -11 WELDMENT	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	NTS DATE 10-3-08 SHEET 9 of 22

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP RW
5	CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E.	3/3/11	RJC -



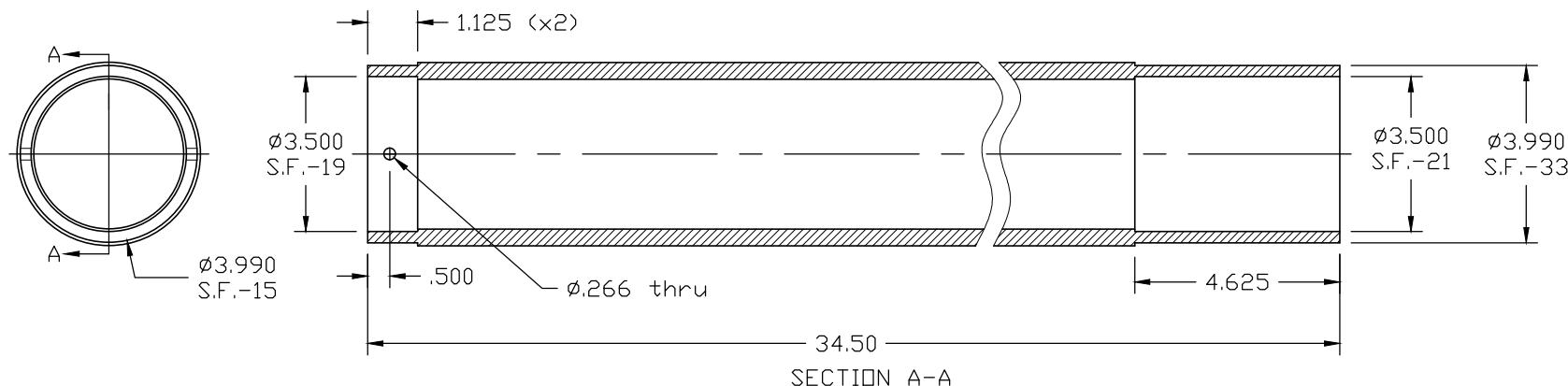
(-15)

TUBE CENTER
RING

 RED BARN MACHINE	
FIRE SCOUT ROTOR HEAD STAND	
DWG NO.	RBT18657-15
REV	7
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
XXX ± .010	FRACTIONS ± 1/32
XX ± .03	ANGLES ± 5°
X ± .1	
APPROVED 	
HEAT TREAT	
FINISH SEE -11 WELDMENT	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	NTS
DATE	10-3-08
SHEET	10 of 22

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERRSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP RW
5	CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E.	3/3/11	RJC -

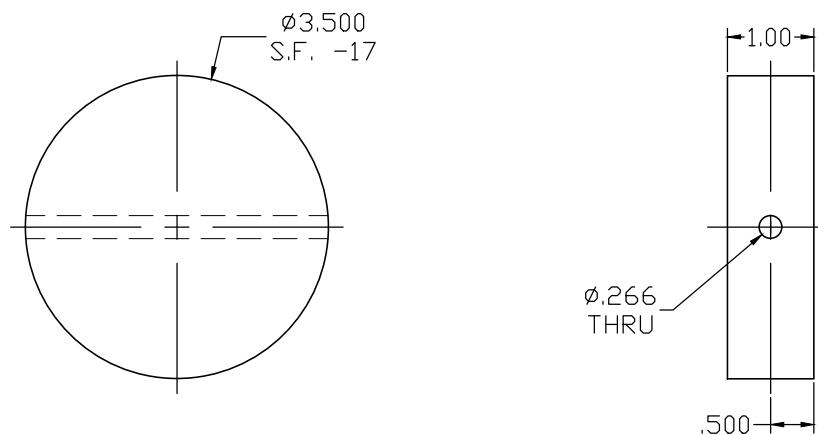


(-17)
VERTICAL TUBE

RED BARN MACHINE	
FIRE SCOUT ROTOR HEAD STAND	
DWG NO.	RBT18657-17
REV	7
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	XXX \pm .010
XX	XX \pm .03
X	X \pm .1
FRACTIONS	\pm 1/32
ANGLES	\pm 5°
APPROVED	
PERRITT	
D. Weil	
HEAT TREAT	
FINISH	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	NTS
DATE	10-3-08
SHEET	11 of 22

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
1	ADJUSTED -17 TO ALLOW FOR OVERSIZE PLASTIC TUBE CONDITIONS.	11/24/08	WP RW
5	CH'D \varnothing .405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E.	3/3/11	RJC -



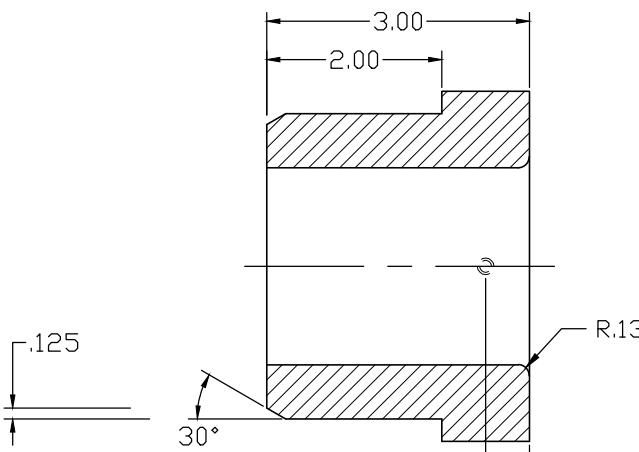
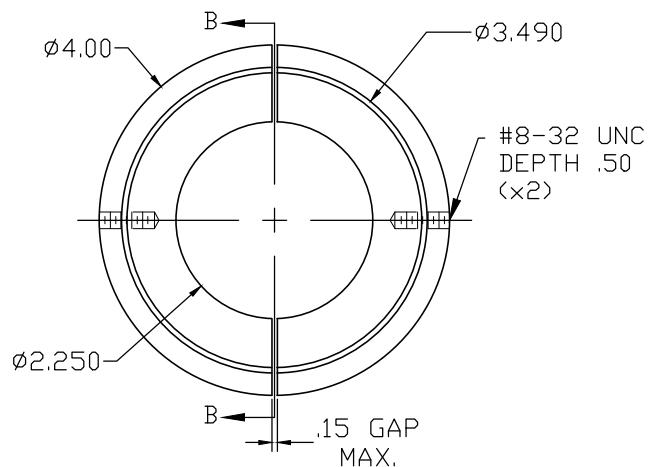
(-19)

TUBE BOTTOM
PLUG

RB RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO.	RBT18657-19
REV	7
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS XXX \pm .010 FRACTIONS \pm 1/32	
XX \pm .03 ANGLES \pm 5°	
X \pm 1	
APPROVED D. Weil	
HEAT TREAT	
FINISH	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	NTS
DATE	10-3-08
SHEET	12 of 22

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REV		DESCRIPTION		DATE	INITIAL	APPROVED
1		ADJUSTED -17 TO ALLOW FOR OVERRSIZE PLASTIC TUBE CONDITIONS.		11/24/08	WP	RW
5		CH'D Ø.405 HOLE TO A SLOT ON BOTH ENDS -13 PER G.E.		3/3/11	RJC	-



SECTION B-B

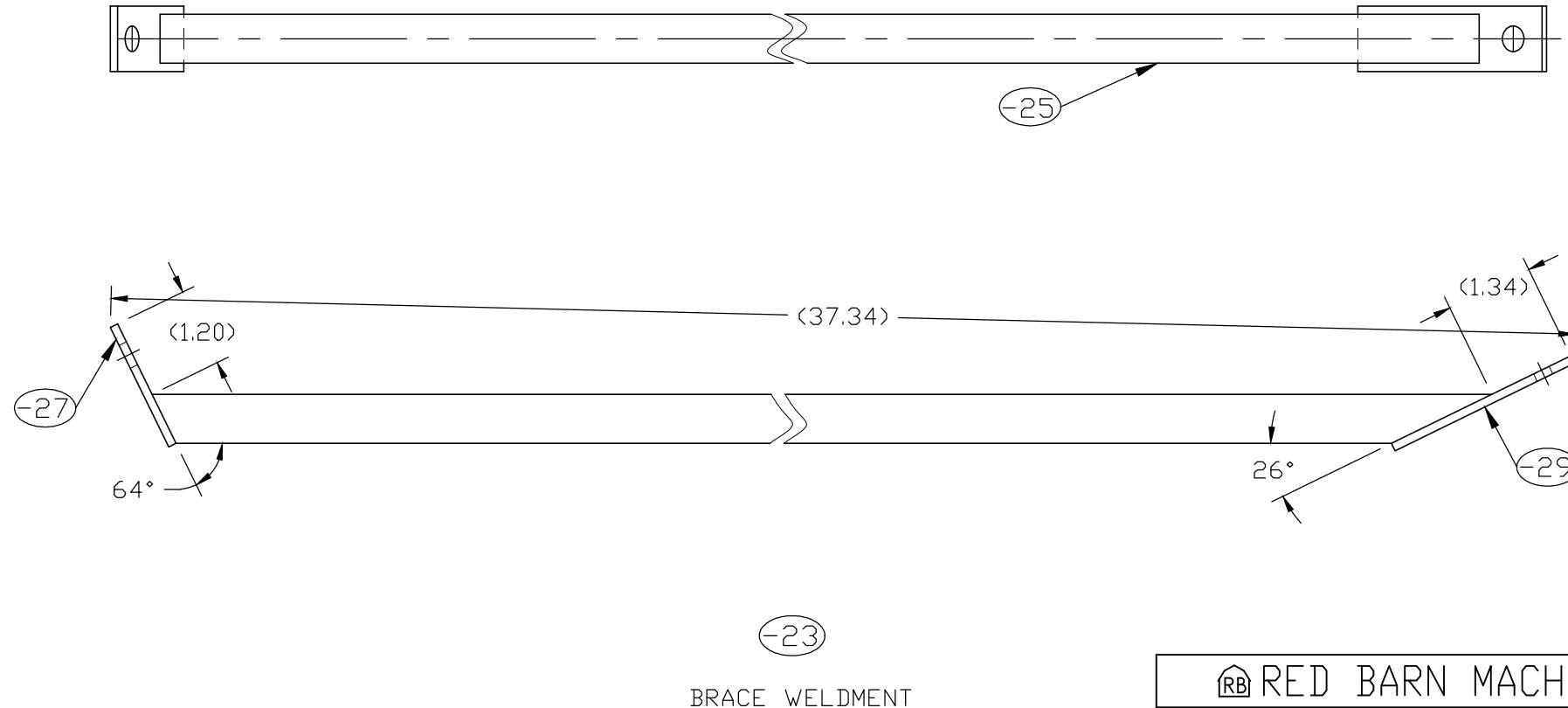
(-21)

SUPPORT INSERT
(2 HALVES)

RB RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-21 REV 7	
UNLESS OTHERWISE SPECIFIED DRAWN BY: PERRITT	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON: APPROVED <i>D. Weil</i>	
DECIMALS: HEAT	
XXX \pm .010	FRACTIONS \pm 1/32 TREAT
XX \pm .03	ANGLES \pm .5° FINISH
X \pm .1	SPEC
UNLESS OTHERWISE SPECIFIED USED ON MODEL	
1. BREAK ALL SHARP EDGES	
.015 \times 45° PR .015 R FIRE SCOUT	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 10-3-08
SHEET 13 of 22	

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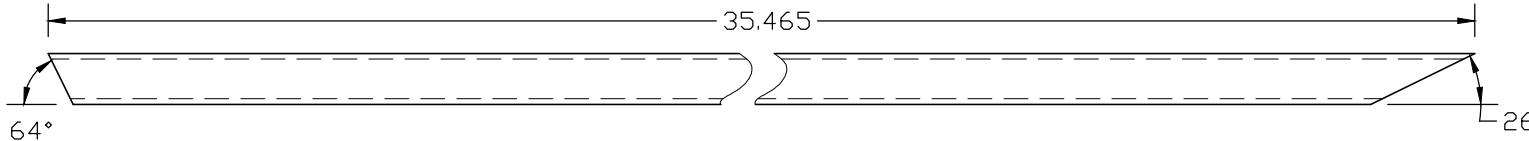
REV		DESCRIPTION	DATE	INITIAL	APPROVED
3		CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP	
4		CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW
7		-23 DELETED NOTE 1 WAS ASSEMBLE WITH ALL TUBE SEAMS ON THE BOTTOM.	8/12/13	RJC	DW



RB RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-23	
REV 7	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS XXX \pm .010	
FRACTIONS \pm 1/32	
XX \pm .03	
ANGLES \pm 5°	
X \pm 1	
DRAWN BY: PERRITT	
APPROVED D. Weil	
HEAT TREAT	
FINISH POWDER COAT WHITE	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	NTS
DATE	10-3-08
SHEET	14 of 22

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REV		DESCRIPTION	DATE	INITIAL	APPROVED
3		CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP	
4		CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC	RW



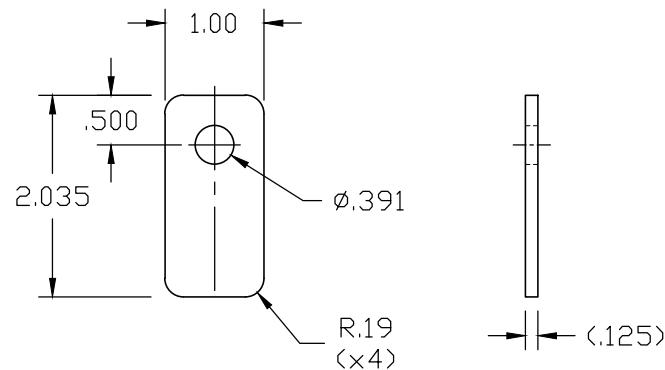
SUPPORT TUBE

-25

 RED BARN MACHINE	
TITLE	
FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-25	
REV 7	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .0010 XXX ± .010 FRACTIONS ± 1/32 XX ± .03 ANGLES ± 5° X ± .1	
DRAWN BY: PERRITT APPROVED  HEAT TREAT FINISH SEE -23 WELDMENT SPEC	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING USED ON MODEL FIRE SCOUT	
SCALE	NTS
DATE	10-3-08
SHEET	15 of 22

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC RW



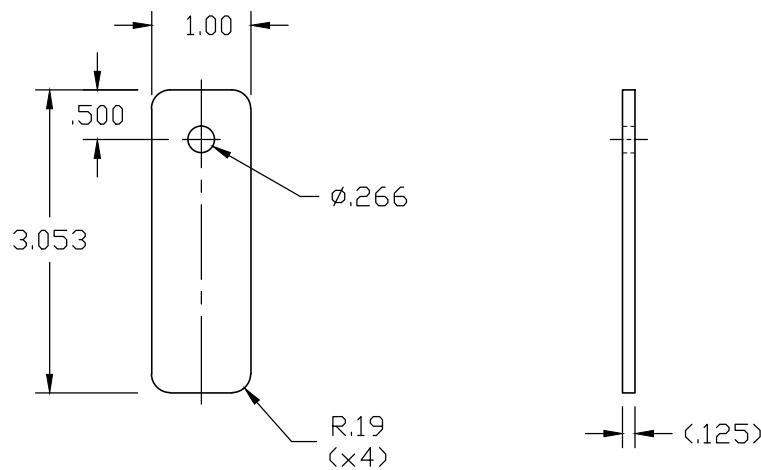
(-27)

BOTTOM
BRACE TAB

RB RED BARN MACHINE	
TITLE	
FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-27	
REV 7	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .010 FRACTIONS ± 1/32 XX ± .03 ANGLES ± .5° X ± .1	
DRAWN BY: PERRITT APPROVED <i>D. Weil</i> HEAT TREAT FINISH SEE -23 WELDMENT SPEC	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING USED ON MODEL FIRE SCOUT	
SCALE	NTS
DATE	10-3-08
SHEET	16 of 22

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC RW



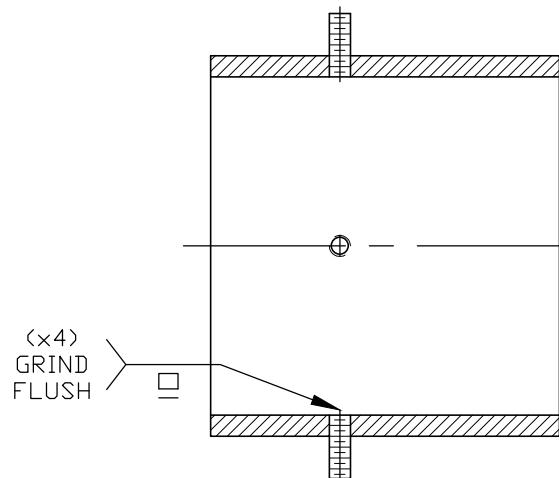
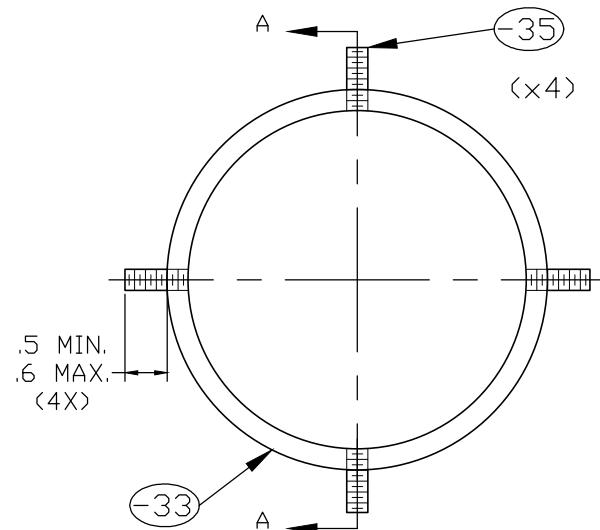
(-29)

UPPER
BRACE TAB

RB RED BARN MACHINE	
FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-29	
REV 7	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .010 FRACTIONS ± 1/32 XX ± .03 ANGLES ± .5° X ± .1	
DRAWN BY: PERRITT APPROVED <i>D. Weil</i> HEAT TREAT FINISH SEE -23 WELDMENT SPEC	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING USED ON MODEL FIRE SCOUT	
SCALE	NTS DATE 10-3-08 SHEET 17 of 22

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC RW
7	-31 ADDED .5 MIN. .6 MAX DIM.	8/12/13	RJC DW



SECTION A-A

(-31)

TUBE TOP
RING WELDMENT

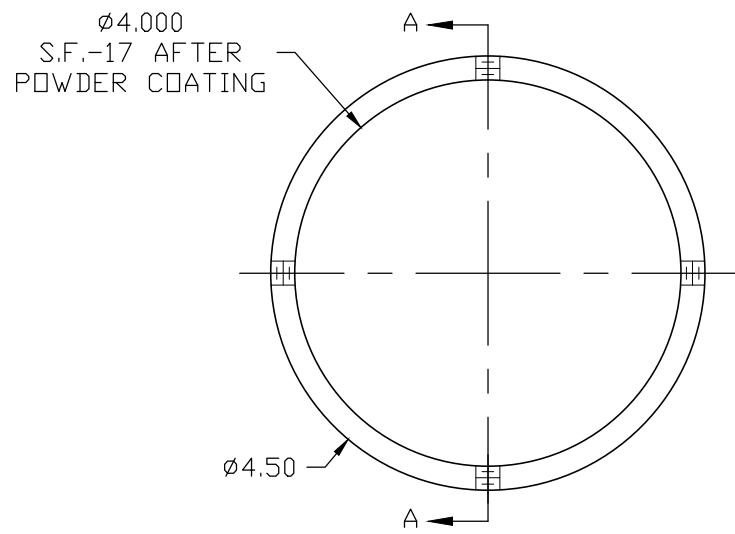
NOTES:

1. TAPE -35 SCREW THREADS
PRIOR TO POWDER COATING.

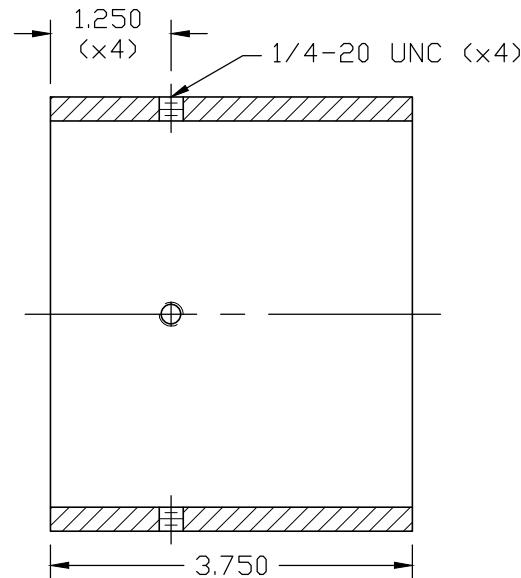
RED BARN MACHINE	
TITLE	
FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-31	
REV 7	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS XXX \pm .010 FRACTIONS \pm 1/32	
XX \pm .03 ANGLES \pm 5°	
X \pm .1	
APPROVED D. Weil	
HEAT TREAT	
FINISH POWDER COAT WHITE	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	NTS
DATE	10-3-08
SHEET	18 of 22

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC RW



(-33)
TUBE TOP
RING

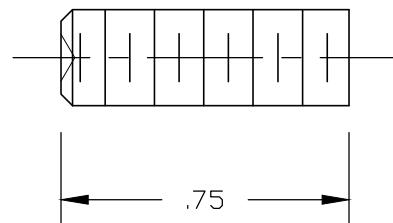


SECTION A-A

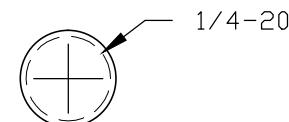
RB RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-33	
REV 7	
UNLESS OTHERWISE SPECIFIED DRAWN BY: PERRITT	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON: APPROVED D. Weil	
DECIMALS: HEAT TREAT	
XXX \pm .010	FRACTIONS \pm 1/32
XX \pm .03	ANGLES \pm .5°
X \pm .1	
UNLESS OTHERWISE SPECIFIED	
1. BREAK ALL SHARP EDGES	
.015 x 45° PR .015 R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE NTS	DATE 10-3-08
SHEET 19 of 22	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC RW
7	-35 CHD FROM STEEL TO STAINLESS & ADDED DWG TO MODIFY AND NOTE.	8/12/13	RJC DW



(-35)
SOCKET HEAD SET SCREW

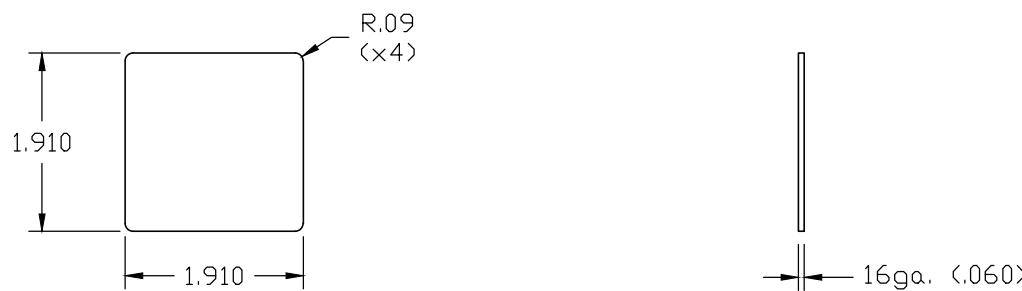


NOTE:
CUT TO LENGTH FROM SOCKET END.

RB RED BARN MACHINE	
TITLE FIRE SCOUT ROTOR HEAD STAND	
DWG NO. RBT18657-35	
REV 7	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS XXX ± .010 FRACTIONS ± 1/32	
XX ± .03 ANGLES ± 5°	
X ± .1	
APPROVED D. Weil	
HEAT TREAT	
FINISH	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	NTS DATE 10-3-08 SHEET 20 of 22

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC RW



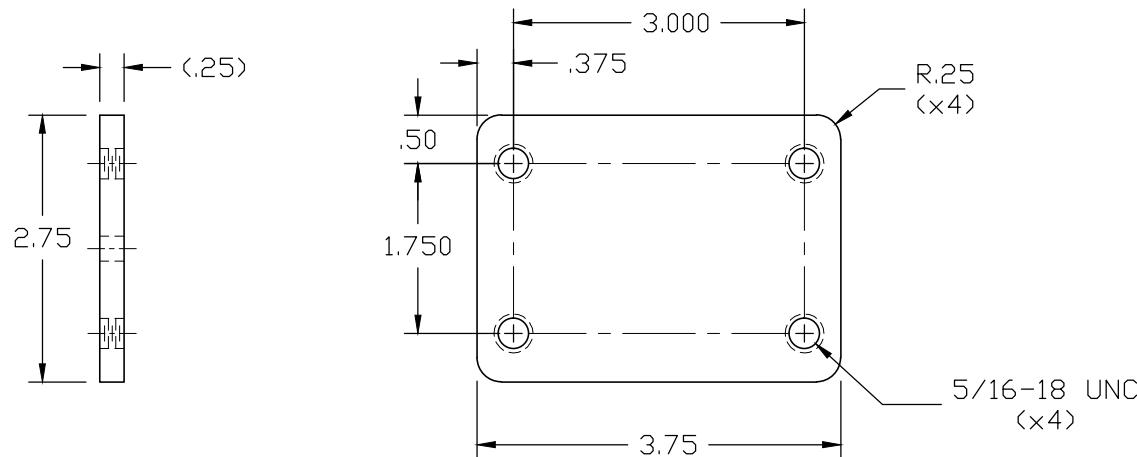
(-43)

BASE TUBE
END CAPS

RB RED BARN MACHINE		
TITLE FIRE SCOUT ROTOR HEAD STAND		
DWG NO. RBT18657-43		
REV 7		
UNLESS OTHERWISE SPECIFIED DRAWN BY: PERRITT		
DIMENSIONS ARE IN INCHES		
TOLERANCES ON: APPROVED D. Weil		
DECIMALS: HEAT		
XXX \pm .010	FRACTIONS \pm 1/32 TREAT	
XX \pm .03	ANGLES \pm .5° FINISH SEE -1 & -3 WELDMENT	
X \pm .1	SPEC	
UNLESS OTHERWISE SPECIFIED		
1. BREAK ALL SHARP EDGES		
.015 x 45° PR .015 R USED ON MODEL		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING FIRE SCOUT		
SCALE NTS	DATE 10-3-08	SHEET 21 of 22

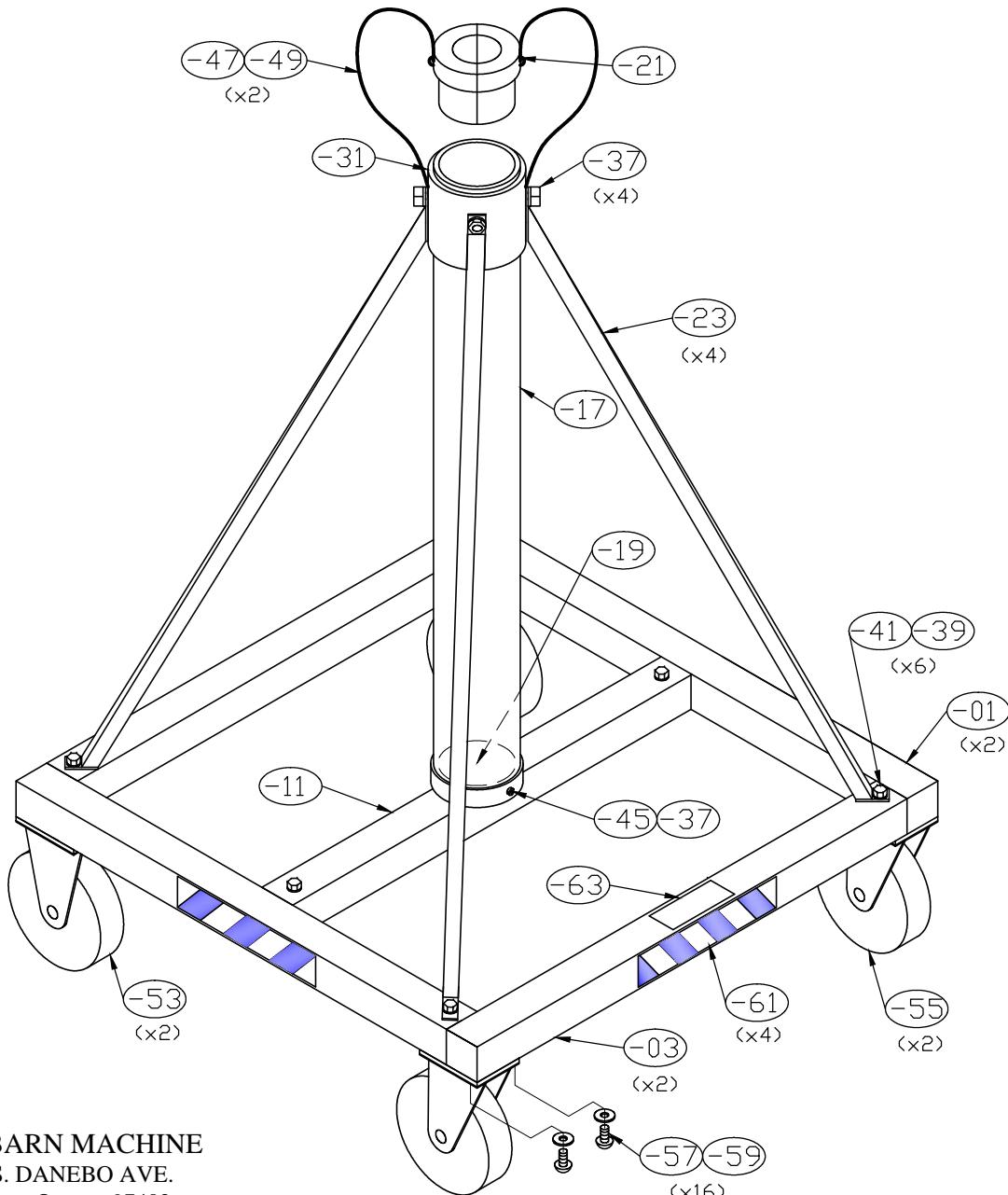
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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
3	CH'D P/N -7 OVERALL LENGTH FROM 4.872 & DIM. TO FIRST FOLD LINE FROM 1.606 PER W.P.	10/27/09	WP
4	CH'D LENGTH -33 FROM 4.250 TO 3.750 PER D.W.	1/15/10	RJC RW



(-51)
WHEEL PLATE

RED BARN MACHINE	
FIRE SCOUT ROTOR HEAD STAND	
DWG NO.	RBT18657-51
REV	7
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS $\pm 1/32$
XXX $\pm .010$	
XX $\pm .03$	ANGLES $\pm .5^\circ$
X $\pm .1$	
HEAT TREAT	
FINISH SEE -1 & -3 WELDMENT	
SPEC	
USED ON MODEL	
FIRE SCOUT	
SCALE	NTS
DATE	10-3-08
SHEET	22 of 22



RED BARN MACHINE
 190 S. DANEBO AVE.
 Eugene, Oregon 97402
 (541) 344-9953; fax (541) 344-3863
 e-mail; sales@redbarn.net

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RED BARN MACHINE		
TITLE		
DWG NO.		
RBT18657		
PART #	UNIT QTY	DESCRIPTION
-1	2	BASE SIDE
-3	2	BASE END
-11	1	BASE CENTER
-17	1	VERTICAL TUBE
-19	1	VERTICAL TUBE BOTTOM
-21	1	SUPPORT INSERT
-23	4	SIDE BRACE
-31	1	TOP RING
-37	5	LOCK NUT
-39	6	HEX SCREWS
-41	10	LOCK WASHERS
-43	4	BASE END CAPS
-45	1	HEX SCREW
-47	2	SCREWS
-49	2	LANYARDS
-53	2	RIGID CASTER W/BRAKE
-55	2	SWIVEL CASTER W/BRAKE
-57	16	SCREWS
-59	16	LOCK WASHERS
-61	4	REFLECTIVE TAPE

RB RED BARN MACHINE

TITLE INSPECTION & TESTING PROCEDURES FOR
THE FIRE SCOUT ROTOR HEAD STAND ASSEMBLY

TOOL NO. RBT18657-TEST

INSPECTION & TESTING PROCEDURES FOR THE RBT18675 ROTOR HEAD STAND ASSEMBLY. THE RBT18657 IS DESIGNED FOR HOLDING THE FIRE SCOUT ROTOR HEAD DURING MAINTENANCE PROCEDURES. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE AND AFTER EACH USE. REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

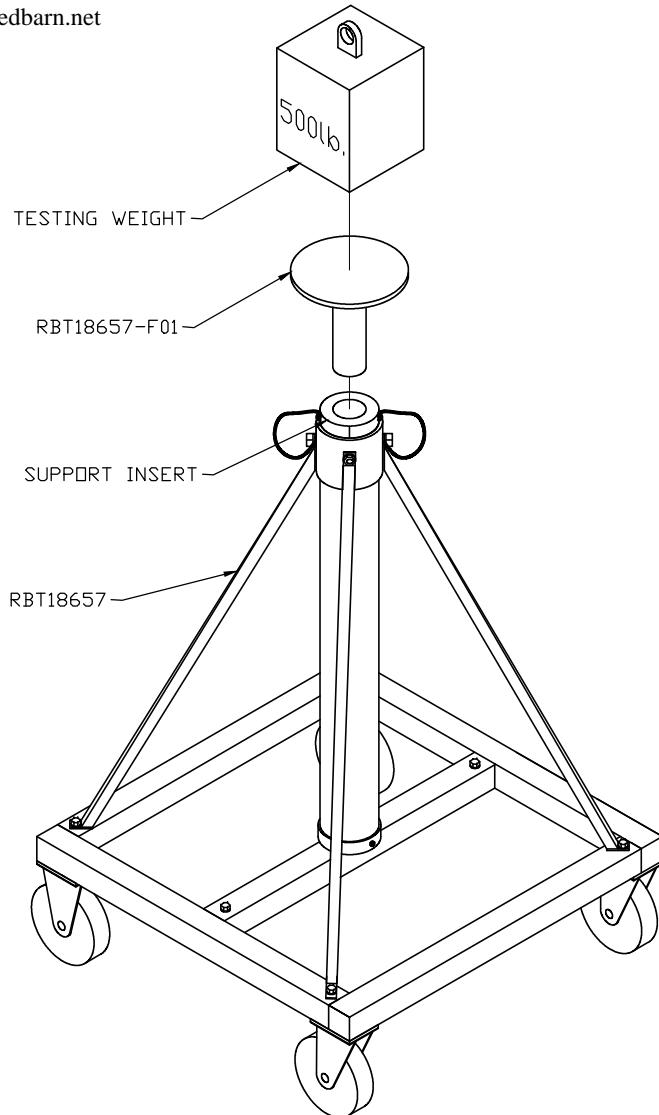
91 DAY INSPECTION:

1. CLEAN ENTIRE UNIT AND REMOVE CORROSION.
2. CHECK THE ENTIRE UNIT FOR DAMAGE, CRACKS, AND DISTORTIONS.
3. CHECK ALL BOLTS FOR TIGHTNESS, AND DAMAGE. TIGHTEN OR REPLACE IF NECESSARY.
4. CHECK THE SUPPORT INSERT ASSEMBLY FOR CRACKS AND DAMAGE.
5. CHECK ALL WELDS FOR CRACKING AND DISTORTION.
6. CHECK ALL WHEELS FOR CRACKS AND SMOOTHNESS OF OPERATION.
7. LUBRICATE WHEELS WITH MIL-L-7870 GENERAL PURPOSE OIL. REPAINT IF NECESSARY.

IF ANY DAMAGE IS FOUND, REPAIR OR REPLACE THE UNIT.

3 YEAR WEIGHT TESTING:

1. PLACE THE RBT18657-F01 TESTING FIXTURE INTO THE SUPPORT INSERT.
2. PLACE A 500 lb. TESTING WEIGHT ON TOP OF THE TESTING FIXTURE FOR 5 MINUTES WHILE EXAMINING THE ROTOR HEAD STAND FOR CRACKS OR DISTORTIONS.
3. AFTER 5 MINUTES REMOVE THE TESTING WEIGHT AND FIXTURE.
4. RE-INSPECT ENTIRE ASSEMBLY.



RED BARN MACHINE

190 S. DANEBO AVE., Eugene, Oregon 97402

(541) 344-9953; fax (541) 344-3863

e-mail: sales@redbarn.net

REVISIONS			
REV	DESCRIPTION	DATE	INITIALS APPROVED
-	-	-	-

 RED BARN MACHINE	
TITLE	
DWG NO. _____	
REV _____	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DN: DECIMALS	
XXX ± .005	FRACTIONS ± 1/32
XX ± .01	ANGLES ± .5°
X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015" x 45° PR. .015" R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: _____	
APPROVED	
HEAT TREAT FINISH SPEC	
USED ON MODEL	

SCALE	NTS
DATE	9-23-03
SHEET 1 of 3	